	Application No.	Applicant(s)
A	10/822,123	BRUNE ET AL.
Notice of Allowability	Examiner	Art Unit
	Jay M. Patidar	2862
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>4/10/04</u> .		
2. The allowed claim(s) is/are <u>1-14</u> .		
3. The drawings filed on 10 April 2004 are accepted by the Examiner.		
4.		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 4/10/04 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview Summary Paper No./Mail Dat 08), 7. Examiner's Amendr	te .

Application/Control Number: 10/822,123 Page 2

Art Unit: 2862

1. This communication is in response to applicant's amendment received on April 10, 2004.

- 2. Claims 1-14 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: The prior art fails to show a system in which a boring tool is moved underground in a region during selective rotation of the boring tool, a method comprising the steps of: configuring the boring tool with a transmitter for transmitting a locating signal for use in tracking an underground position of the boring tool in said region and for changing at least one characteristic of said locating signal responsive to subjecting the boring tool to a predetermined roll sequence during underground operation such that the predetermined roll sequence includes the steps of rotating the boring tool for one time period at a first roll rate in timed relation to rotating the boring tool for another time period at a second roll rate.
- 4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 10/822,123 Page 3

Art Unit: 2862

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jay M. Patidar whose telephone number is 571-272-2265. The examiner can normally be reached on M-Thur 7:00-5:30.

The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jay M. Patidar Primary Examiner

Art Unit 2862

Email: <u>Jay.Patidar@USPTO.gov</u>

August 22, 2005